Zend_Filter_StringPad - Thomas Weidner

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Zend Framework: Zend_Filter_StringPad Component Proposal

Proposed Component Name	Zend_Filter_StringPad
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_Filter_StringPad
Proposers	Thomas Weidner
Zend Liaison	TBD
Revision	1.0 - 23 July 2009: Initial Draft. (wiki revision: 7)

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1. Overview

Zend_Filter_StringPad is a filter which allows to extend strings to a specific length.

2. References

- PHP's str_pad
- Based on the StringLength Proposal - see Zend comments

3. Component Requirements, Constraints, and Acceptance Criteria

- This component **will** correctly handle multi byte strings.
- This component **will** support the same parameters as PHP's own str_pad method.

4. Dependencies on Other Framework Components

Zend_Filter_Interface
Zend_View_Helper_Abstract

5. Theory of Operation

This filter extends given strings to the wished length. It accepts and other string for extension/padding and default to whitespace if non is given. It also supports extension from left, right or both sides.
For simplicity this component adds also a view helper which makes use of this filter.

6. Milestones / Tasks

- Milestone 1: [DONE] Proposal finished
- Milestone 2: Proposal accepted
- Milestone 3: Working implementation
- Milestone 4: Unit tests
- Milestone 5: Documentation
- Milestone 6: Moved to core

7. Class Index

- Zend_Filter_StringPad
- Zend_View_Helper_StringPad

8. Use Cases

UC-01

Extends a string to 15 chars

```
$filter = new Zend_Filter_StringPad(array('length' => 15);
$filter->filter('My string');
// returns 'My string      '
```

UC-02

Extends a string to 15 chars, using another pad char

```
$filter = new Zend_Filter_StringPad(array('length' => 15, 'ending' => '.'));
$filter->filter('My string');
// returns 'My string......'
```

UC-03

Extends a string to 15 chars, using another pad char and another direction

```
$filter = new Zend_Filter_StringPad(array('length' => 15, 'ending' => '.', 'type' =>
Zend_Filter_StringPad::LEFT));
$filter->filter('My string');
// returns '......My string'
```

9. Class Skeletons

```
class Zend_Filter_StringPad implements Zend_Filter_Interface {
    constant LEFT = 'left';
    constant BOTH = 'both';
    constant RIGHT = 'right';

    public function __construct($options);
    public function getLength();
    public function setLength($length);
    public function getEnding();
    public function setEnding();
    public function getType();
    public function setType($type);
}

class Zend_View_Helper_StringPad extends Zend_View_Helper_Abstract {
    public function stringPad($options);
}
```

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